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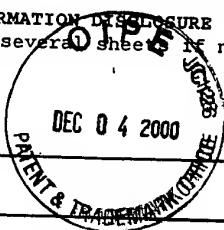
APPLICANT:
John D. Baxter, et al.

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U.S. PATENT DOCUMENTS

*EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CS	P1	4,741,897	5/3/89	Andrews, et al.	436	500	5/3/88
	P2	4,766,121	8/23/88	Ellis, et al.	514	247	8/23/88
	P3	4,826,876	5/2/89	Ellis, et al.	514	535	5/2/89
	P4	4,910,305	3/20/90	Ellis, et al.	544	239	3/20/90
	P5	5,061,798	10/29/91	Emmett, et al.	544	239	10/29/91
	P6	5,116,828	5/26/92	Miura, et al.	514	171	5/26/92
	P7	5,171,671	12/15/92	Evans, et al.	435	69.1	12/15/92
	P8	5,284,999	2/8/94	Chin, et al.	435	252.3	2/8/94
	P9	5,312,732	5/17/94	Evans	435	69.1	5/17/94
	P10	5,322,933	6/21/94	Davies, et al.	530	399	6/21/94
	P11	5,403,925	4/4/95	Ozato	536	23.5	4/4/95
	P12	5,438,126	8/1/95	DeGroot, et al.	536	23.5	8/1/95
	P13	5,463,564	10/31/95	Agrafiotis et al.	700	268	10/31/95
	P14	5,466,861	11/14/95	Dawson, et al.	560	100	11/14/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CS	E1	EP 335,628	4/10/89	EP				
	E2	WO 97/21993	6/19/97	PCT				
	E3	WO 98/07435	2/26/98	PCT				
	E4	WO 98/57919	12/23/98	PCT				

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CS	D1	Andrea, T.A., et al., "A Model for Thyroid Hormone-Receptor Interactions", <i>J. Med.Chem.</i> , Vol.22:221-232 (1979)
	D2	Apriletti, J.W., et al., "Expression of the Rat α 1 Thyroid Hormone Receptor Ligand Binding Domain in <i>Escherichia coli</i> and the Use of a Ligand-Induced Conformation Change as a Method for its Purification to Homogeneity", <i>Protein Expression and Purification</i> , Vol.6:363-370 (1995)

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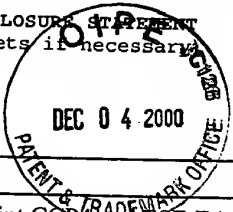
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	D4	Au-Fliegner, et al., "The Conserved Ninth C-Terminal Heptad in Thyroid Hormone and Retinoic Acid Receptors Mediates Diverse Responses by Affecting Heterodimer but Not Homodimer Formation", <u>Mol.Cell Biol.</u> , Vol.13:5725-5737 (1993)
	D5	Baniahmad, A., et al., "The $\tau 4$ Activation Domain of the Thyroid Hormone Receptor is Required for Release of a Putative Corepressor(s) Necessary for Transcriptional Silencing", <u>Mol.Cell Biol.</u> , Vol.15:76-86 (1995)
	D6	Barettino, D., et al., "Characterization of the Ligand-dependent Transactivation Domain of Thyroid Hormone Receptor", <u>Embo.J.</u> , Vol.13:3039-3049 (1994)
	D7	Barker, et al., "Thyroxine Antagonism by Partially Iodinated Thyronines and Analogues", <u>Ann.N.Y.Acad.Sci.</u> , Vol.86:545-562 (1960)
	D8	Beck-Peccoz, P., et al., "Nomenclature of Thyroid Hormone Receptor β -Gene Mutations in Resistance to Thyroid Hormone: Consensus Statement from the First Workshop on Thyroid Hormone Resistance, July 10-11, 1993 Cambridge, United Kingdom", <u>J.Clin.Endocrinol Metab.</u> , Vol.78:990-993 (1994)
	D9	Bhat, M.K., et al., "Interaction of Thyroid Hormone Nuclear Receptor With Antibody: Characterization of the Thyroid Hormone Binding Site", <u>Biochem.Biophys.Res.Comm.</u> , Vol.210:464-471 (1995)
	D10	Blake, C.C. & Oatley, S.J., "Protein-DNA and Protein-Hormone Interactions in prealbumin: a Model of the Thyroid Hormone Nuclear Receptor?", <u>Nature</u> , Vol.268:115-120 (1977)
	D11	Blake, C.C., et al., "Structure of Prealbumin: Secondary, Tertiary and Quarternary Interactions Determined by Fourier Refinement at 1.8 Å", <u>J.Mol.Biol.</u> , Vol.121:339-356 (1978)
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	D13	Brent, G.A., "The Molecular Basis of Thyroid Hormone Action", <u>N.Engl.J.Med.</u> , Vol.331:847-853 (1994)
	D14	Brunger, A.T., et al., "Crystallographic R Factor Refinement by Molecular Dynamics", <u>Science</u> , Vol.235:458-460 (1987)
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	D16	Cavaillès, V. et al., "Nuclear Factor RIP140 Modulates Transcriptional Activation by the Estrogen Receptor", <u>Embo. J.</u> , Vol.14:3741-3751 (1995)
	D17	Chang, K.H., et al., "A Thyroid hormone receptor coactivator negatively regulated by the retinoblastoma protein," <u>Proc.Natl.Acad.Sci.USA</u> , Vol. 94(17):9040-9045 (1997)
	D18	Collaborative Computational Project, N. 4., "The CCP4 Suite: Programs for Protein Crystallography", <u>Acta Crystallogr.</u> , Vol.D50:760-763 (1994)
	D19	Collingwood, T.N., et al., "Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β -Receptors in Thyroid Hormone Resistance Syndrome", <u>Mol.Endocrinol.</u> , Vol.8:1262-1277 (1994)
	D20	Cowan, S.W., et al., "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Errors in These Models", <u>Acta Crystallogr A</u> , Vol.47:110-119 (1991)

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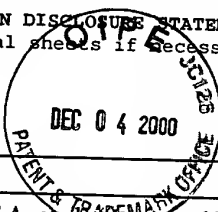
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	D22	Crowe et al., "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification" <u>Methods in Molecular Biology</u> , Vol.31:371-387 (1994)
	D23	Damm, K. & Evans, R.M., "Identification of a Domain Required for Oncogenic Activity and Transcription suppression by v-erbA and Thyroid-Hormone receptor α ", <u>Proc.Natl.Acad.Sci.USA</u> , Vol.90:10668-10672 (1993)
	D24	Danielian, P.S., et al., "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors", <u>Embo.J.</u> , Vol.11:1025-1033 (1992)
	D25	Dietrich, S.W., et al., "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and in Vitro Thyromimetic Activities", <u>J. Med.Chem.</u> , Vol.20:863-880 (1977)
	D26	Durand, B., et al., "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9- <i>cis</i> Retinoic Acid Receptor: Presence of a Conserved Autonomous Constitutive Activating Domain and Influence of the Nature of the Response Element on AF-2 Activity", <u>Embo.J.</u> , Vol.13:5370-5382 (1994)
	D27	Evans, R.M., "The Steroid and Thyroid Hormone Receptor Superfamily", <u>Science</u> , Vol.240:889-895 (1988)
	D28	Fawell, S.E. et al., "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor", <u>Cell</u> , Vol.60:953-962 (1990)
	D29	Forman, B.M. & Samuels, H.H., "Interactions Among a Subfamily of Nuclear Hormone Receptors: The Regulatory Zipper Model", <u>Mol.Endocrinol.</u> , Vol.4:1293-1301 (1990)
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	D31	Glass, C.K., "Differential Recognition of Target Genes by Nuclear Receptor Monomers, Dimers, and Heterodimers", <u>Endocr.Rev.</u> , Vol.15:391-407 (1994)
	D32	Hajduk et al., "Discovering High Affinity Ligands for Proteins," <u>Science</u> , Vol.278:497-499 (1997)
	D33	Hayashi, Y. et al., "Mutations of CpG Dinucleotides Located in the Triiodothyronine (T ₃)-Binding Domain of the Thyroid hormone Receptor (TR) β - Gene That Appears to be Devoid of Natural Mutations may not be Detected Because They are Unlikely to Produce the Clinical Phenotype of Resistance to Thyroid Hormone", <u>J.Clin.Invest.</u> , Vol.94:607-615 (1994)
	D34	Heery, E., et al., "A signature motif in transcriptional co-activators mediates binding to nuclear receptors," <u>Nature</u> , Vol.387:733-736 (1997)
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	D37	Jackson, R.C., "Contributions of protein structure-based drug design to cancer chemotherapy," <u>Seminars in Oncology</u> , Vol.24(2):164-172 (1997)
	D38	Janknecht R., "Rapid and Efficient Purification of Native Histidine-Tagged Protein Expressed by Recombinant Vaccinia Virus", <u>Proc.Natl.Acad.Sci.USA</u> , Vol.88:8972-8976 (1991)
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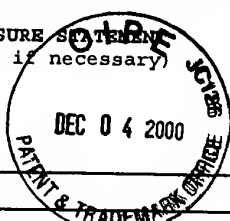
CS	D40	Jones, T.A. et al., "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Error in these Models," <u>ACTA Cryst.</u> , Vol.47:110-119 (1991)
	D41	Jones, T.R., et al., "Structure-Based Design of Lipophilic Quinazoline Inhibitors of Thymidylate Synthase," <u>J.Med.Chem.</u> , Vol.39(4):904-917 (1996)
	D42	Jorgenson, "Thyroid Hormones and Analogs in 6 Hormonal Proteins and Peptides" <u>Thyroid Hormones</u> , 150-151 (1978)
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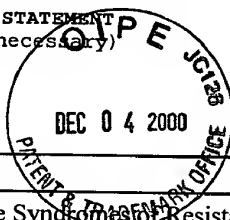
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	D63	Luisi, B.F., et al., "Crystallographic Analysis of the Interaction of the Glucocorticoid Receptor with DNA", <u>Nature</u> , Vol.352:497-505 (1991)
	D64	McGrath et al., "Rapid Preparation of Proteins for Crystallization Tials," <u>Biotechniques</u> , Vol.7:246-247 (1989)
	D65	McGrath, M.E., et al., "Preliminary Crystallographic Studies of the Ligand-Binding Domain of the Thyroid Hormone Receptor Complexed With Triiodothyronine", <u>J. Mol. Biol.</u> , Vol.237:236-239 (1994)
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	D67	Meier, C.A., et al., "Variable Transcriptional Activity and Ligand Binding of Mutant β 1 3,5,3'-Triiodothyronine Receptors From Four Families With Generalized Resistance to Thyroid Hormone", <u>Mol. Endocrinol.</u> , Vol.6:248-258 (1992)
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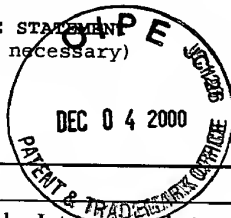
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	D100	Jorgenson et al., "The Nature of the Thyroid Hormone Receptor," Thyroid Research, 378:303-306, (1976)
	D101	Ribeiro et al., "Mechanisms of Thyroid Hormone Action: Insights from X-ray Crystallographic and Functional Studies," Recent Progress in Hormone Research, 53:351-394, (1998)

EXAMINER

Carly SR

DATE CONSIDERED

10/24/02

- * EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformation and not considered. Include a copy of this form with the next communication to applicant.